Ehrlich Classics

Ehrlich’s most famous lectures presented in the “Ehrlich-Theatre”

During the conference between Thursday, September 9th, and Saturday, September 11th, 2004, Ehrlich’s most famous lectures will be presented by active and present researchers. Among these talks are:

Address delivered at the dedication of the Speyer House (where he found Salvarsan® in 1910) on September 6th, 1906 in Frankfurt/M, Germany
Presenter to be determined

Nobel Lecture presented on December 11th, 1908 in Stockholm/Sweden
Presenter to be determined

The treatment of syphilis by Ehrlich compound 606 – Königsberg 1910
Ehrlich’s first presentation ever on 606 (Salvarsan®)
Presenter to be determined

Chemotherapeutics – scientific principles, methods and results – Speech by Paul Ehrlich during the 17th Int. Congr. Med. London 1913
To be presented by Professor Williams, London
Ehrlich Symposium I:
Salvarsan, arsenicals and today’s treatment options in parasitic diseases

Ehrlich’s use of methylene blue, atoxyl and finally his magic bullet “Salvarsan” has initiated chemotherapy. Ever since Salvarsan’s introduction its chemical structure was not sure. Our research will introduce the “true” chemical structure of the first “Magic Bullet”. Nothing is known about the mode of action of Salvarsan. World experts will then bridge from Ehrlich’s “Magic Bullets” to today’s modern research using genetics and other molecular biology methods in treatment of tropical parasite diseases.

Chairmen: to be announced

Sponsors: German Chemical Society (GDCh)
German Pharmaceutical Society (DPhG)

Synthesis of Salvarsan® and updates on its likely structure
B. Nicholson, Hamilton, New Zealand (invited)

Recent spectroscopic investigations of Salvarsan® and analogs
S. Riethmiller, Lexington, VA, USA (invited)

Insights into the chemical structure of Salvarsan®
B.K. Keppler, Vienna, Austria (invited)

Preliminary biological testing of newly synthesized Salvarsan®
Speaker to be announced
Ehrlich Symposium II:
Malaria treatment – Paul Ehrlich yesterday and today

In 1891 Ehrlich tested methylene blue successfully for the treatment of malaria. In modern ages this compound has received new interest. New and exciting data will be presented.

Chairman: C. Craft (Geneva, Switzerland)
Second and third chairman to be announced.

Speakers:
C. Ohrt (Silver Spring, USA): Why Methylene Blue after 150 years?
O. Müller (Heidelberg, Germany): Methylene Blue and Chloroquine for the Treatment of Malaria
N.J. White (Bangkok, Thailand): Dosing Antimalarials to Prevent Resistance
Ehrlich Symposium III:
The New “Magic Bullets”

Ever since Ehrlich introduced the term “Magic Bullets” it was used to describe new drug entities with new and previously unknown properties. This satellite symposium will present modern agents and therapeutic concepts in antiinfectives and beyond.

Chairman and speakers to be announced by August 10th, 2004.
Ehrlich Symposium IV: From Ehrlich to modern use of dyes – A “State-of-the-Art” UPDATE by leading experts

Ehrlich’s use of dyes starting with staining experiments when he was a medical student was the beginning of his whole scientific life. Ehrlich used dyes to establish chemotherapy, develop the receptor theory, describe “drug resistance”, find the blood-brain barrier, and affect many other areas like toxicology, clinical chemistry and pharmacokinetics.

This satellite symposium will summarize Ehrlich’s role and show the importance for today’s use of dyes.

Chairman: M. Wainwright (Leeds, UK)

Speakers to be announced.
Ehrlich Symposium V:
Blood/CNS distribution of endogenous and foreign compounds

Understanding the distribution of endogenous compounds, chemicals and drugs between blood and the central nervous system – 100 years after the ingenious Ehrlich/Goldman–experiment to show the blood-brain-barrier.

By the use of dyes Ehrlich not only stimulated hematology and histology, but he also introduced the blood-brain-barrier. This symposium will review today’s knowledge with “State-of-the-Art” lectures by internationally renowned scientists.

Chairman: R. Nau (Göttingen, Germany), two additional chairmen to be announced
Speakers: B.B. Johansson (Lund, Sweden)
J.D. Fenstermacher (New York, USA), invited
H.J. Galla (Münster, Germany)

More speakers and two Co-chairmen will be announced.
Ehrlich Symposium VI:
Hematology and antineoplastic drug treatment

From Ehrlich to modern hematology and antineoplastic treatment – A “STATE-OF-THE-ART” UPDATE by world experts.

There is no doubt that Paul Ehrlich had a great influence on these areas. Ehrlich's early works in the 70's and 80's of the nineteenth century were ground breaking. Later on after he had founded the Georg-Speyer-Haus he started oncology research.

Chairman: J. Goldman (London, UK)

We have the great pleasure that Professor Goldman from Hammersmith Hospital London will chair this Ehrlich Symposium.

Speakers of this Ehrlich Symposium will be announced.
Ehrlich Symposium VII:
Post-Conference Historians’ Symposium
Paul Ehrlich – “Magister Mundi”

Saturday, September 11, 2004

Event of the Network for the History of Biomedicine of the European Association for the History of Medicine and Health (EAHMH)

Chairmen: Cay-Ruediger Pruell (Freiburg, Germany), Hans Schadewaldt (Düsseldorf, Germany)

16.00-16.15  C.-R. Pruell
             Freiburg  Introduction to the Symposium

16.15-16.30  F. Sörgel
             Nuremberg-Heroldsberg  Introduction – Ehrlich and current Trends in Chemotherapy

16.30-17.00  D.H. Stapleton
             Sleepy Hollow/USA  Research on Ehrlich – The Rockefeller Archive Center and the Historiography on Ehrlich

17.00-17.30  Discussion

17.30-18.00  C.-R. Pruell
             Freiburg  Ehrlich and Immunology – The Sidechain or Receptor Theory

18.00-18.30  A. Cambrosio
             Montreal/Canada  Ehrlich and his Receptor Images

18.30-19.00  Discussion

19.00-19.30  J. Bartholomew
             Columbus/USA  Chemotherapy - Ehrlich, Hata and Japan

19.30-20.00  Discussion